

<p>98-267430/24 KAO CORP 96.09.13 96JP-243340 (98.04.07) C11D 17/06 (C11D 1:66, 3:08, 17/06) Preparation of tablet- or bricket-type cleaning agent compsn.. - consisting of blending materials comprising nonionic surfactant with oil absorbents, granulating and compressing C98-083555</p>	<p>A97 D25 E19 KAOS 96.09.13 *JP 10088199-A</p>	<p>A(12-W12B) D(11-A3, 11-B11, 11-C1A, 11-D1) E(31-P2B, 31-P5)</p>
<p>Preparation of tablet- or bricket-type cleaning agent compsn. (I) comprising (1), (2) and (3) is claimed. (1) blending materials comprising nonionic surface active agent(s)(A1) with m. pt. 40 deg.C or lower, oil absorbent(A2) to absorb (A1) and crystalline silicate(s)(A3) as essential components (2) granulating the above compsn. (A4) to particles(A5) with average particle size 150-1,500 microns, bulk density 0.6-1.2 g/ml (3) compressing (A5) to (I) with bulk density 1.0-2.0 g/ml. Also claimed are: (a) Preparation of (I) comprising (1) preparation of (A4); (b) preparation of (A5), (2') coating surface of (A5) with coating material and (c) compressing the product 2. Preparation of (I) comprising processes (1), (2), (2'), (2'') blending the coated (A5) particles with particles of mono- and/or poly-carboxylic acid(s) or its salt(s)(A6) to become (A6)/coated (A5)= 1/99-30/70 and (3).</p>		<p>ADVANTAGE (I) can be handled without dust generation. (I) is soluble in water readily.</p> <p>PREFERRED MATERIALS Pref. (A2) is builder particles or silicate particles, (A4) is compsn. of e.g. builder 20-89 pts wt/(A3) 1-20 pts wt/nonionic surface active agent(s) 10-60 pts wt. (A6) is one or more of acetic-, succinic-, maleic- or citric-acid or corresponding salt(s).</p> <p>EMBODIMENT (A2) and (A3) are blended previously, (A1) and opt. additive(s)(e.g. fluorescent brightener, enzyme(s), colourant(s) etc) are added, the mixt. is blended to obtain (A4). (A4) is granulated to obtain (A5) nonionic surface active agent granules with particle size 250-800 micrometer and bulk density 0.7-1.0 g/ml. Finally, (A5) is pressed to obtain (I).</p> <p style="text-align: right;">JP 10088199-A+</p>

<p>EXAMPLE Materials (1)-(5) were blended to obtain (A4); (1) polyoxyethylene dodecyl ether 30 pts wt, (2) zeolite 4A 20 pts wt, (3) sodium carbonate 36 pts wt, (4) crystalline silicate 4 pts wt, (5) amorphous aluminosilicate 10 pts wt. (A4) was coated by zeolite 4A 15 pts wt, the mixt. was fed to bricketing machine to obtain (I). (CM) (14pp129DwgNo.0/0)</p>	<p style="text-align: right;">JP 10088199-A</p>
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